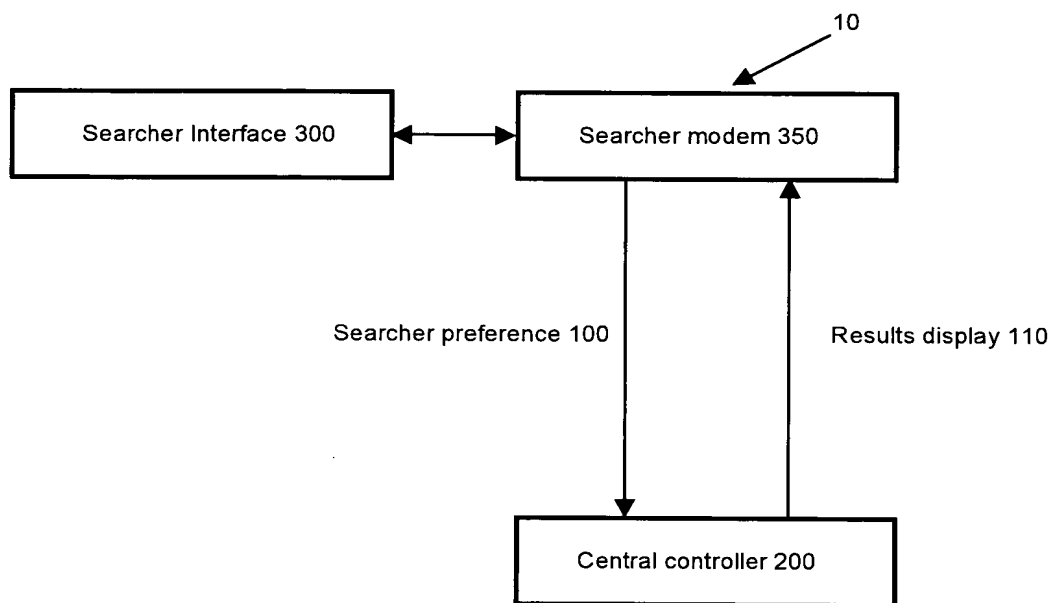


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**Fig. 1**

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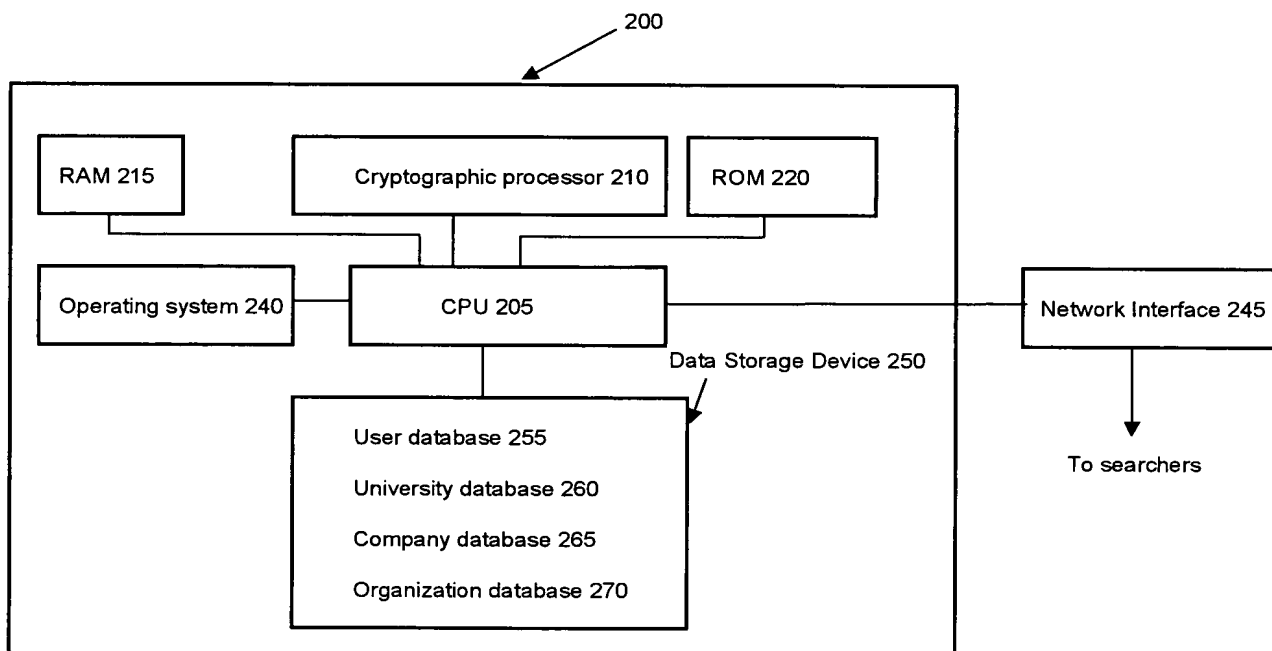


Fig. 2

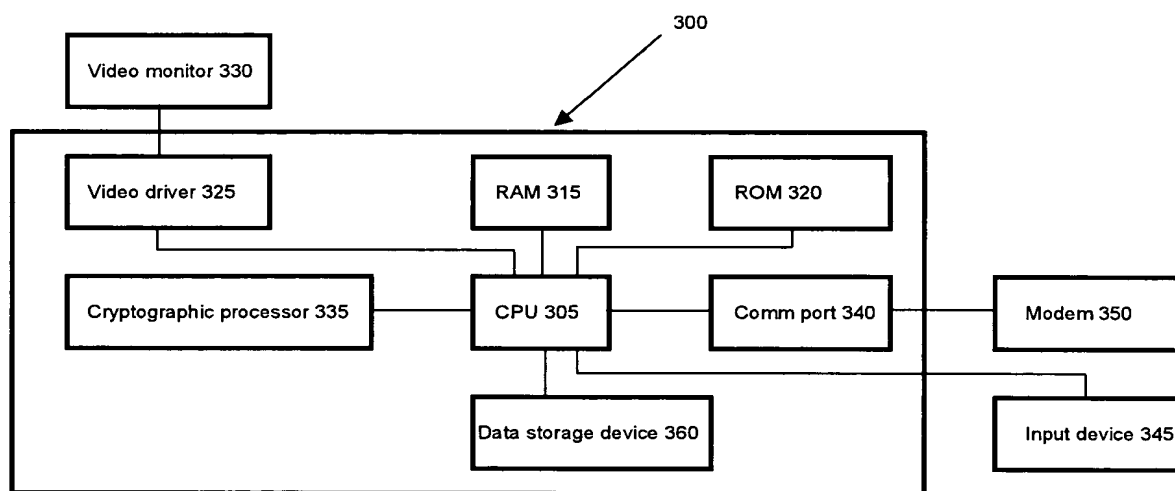


Fig. 3

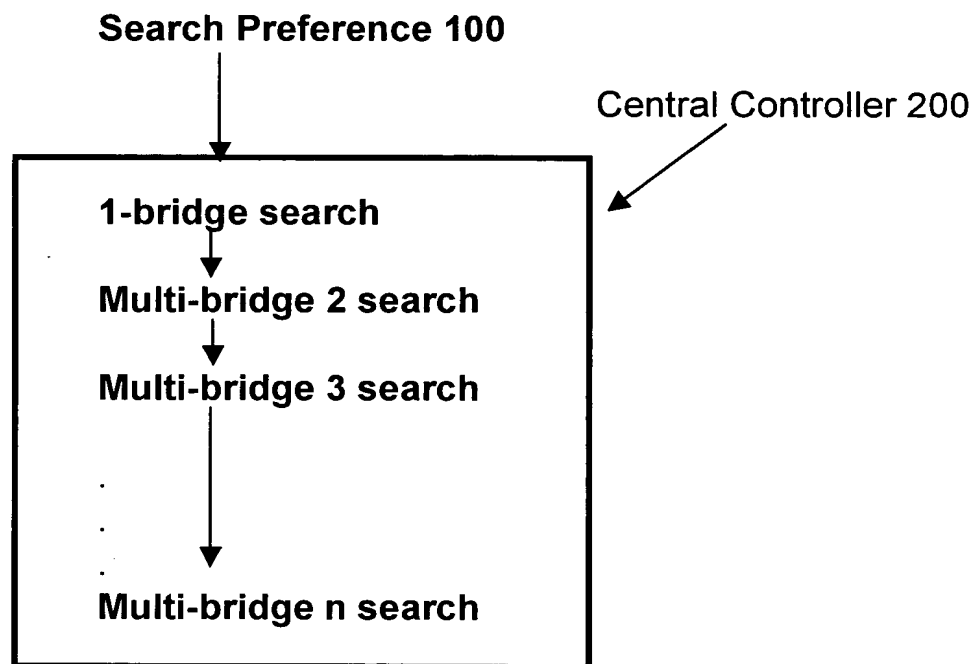


Fig. 4a

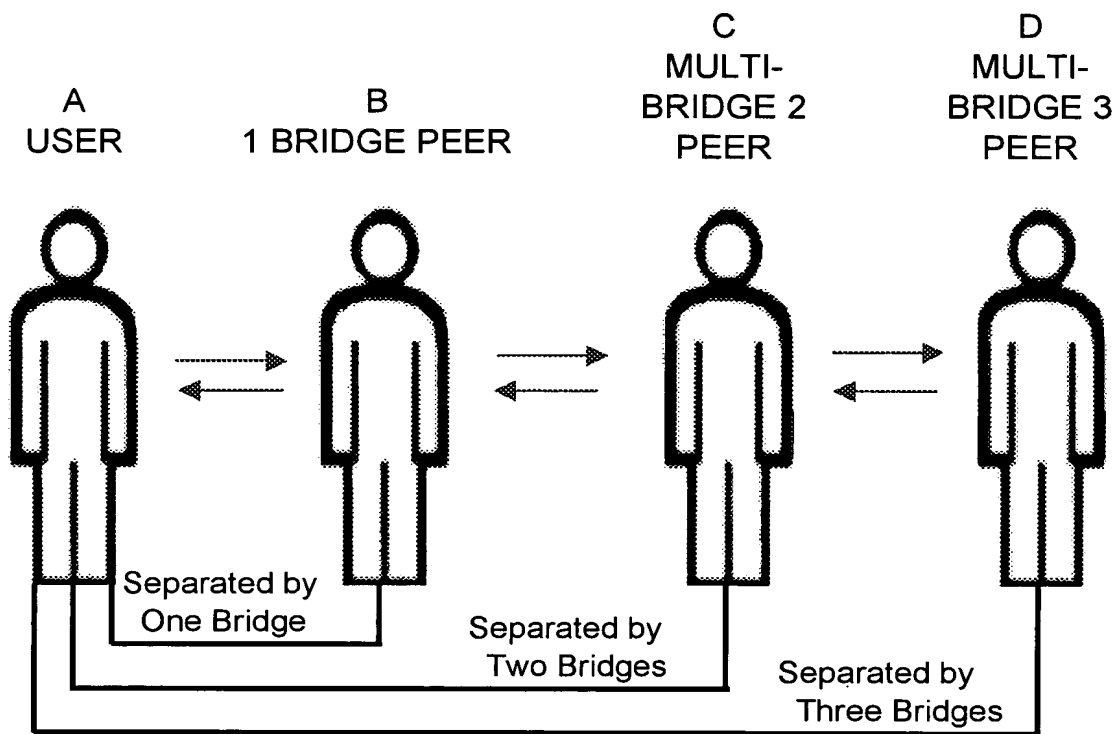
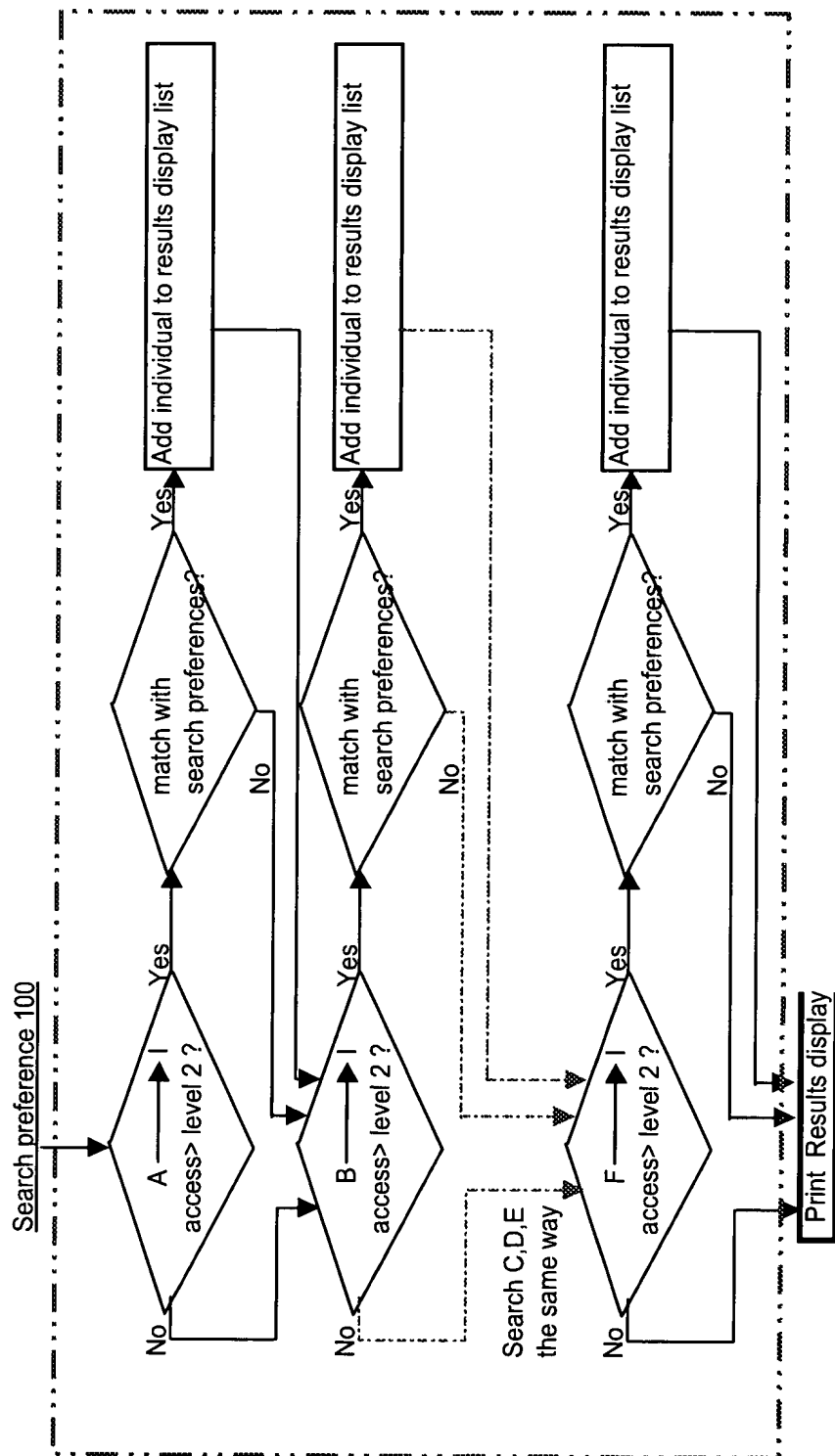


Fig. 4b



Sequence X: I's contacts search within 1-bridge network. Required for multi-bridge Figures 6,7,8

Fig. 5a

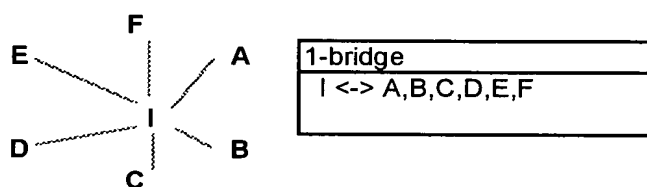


Fig. 5b

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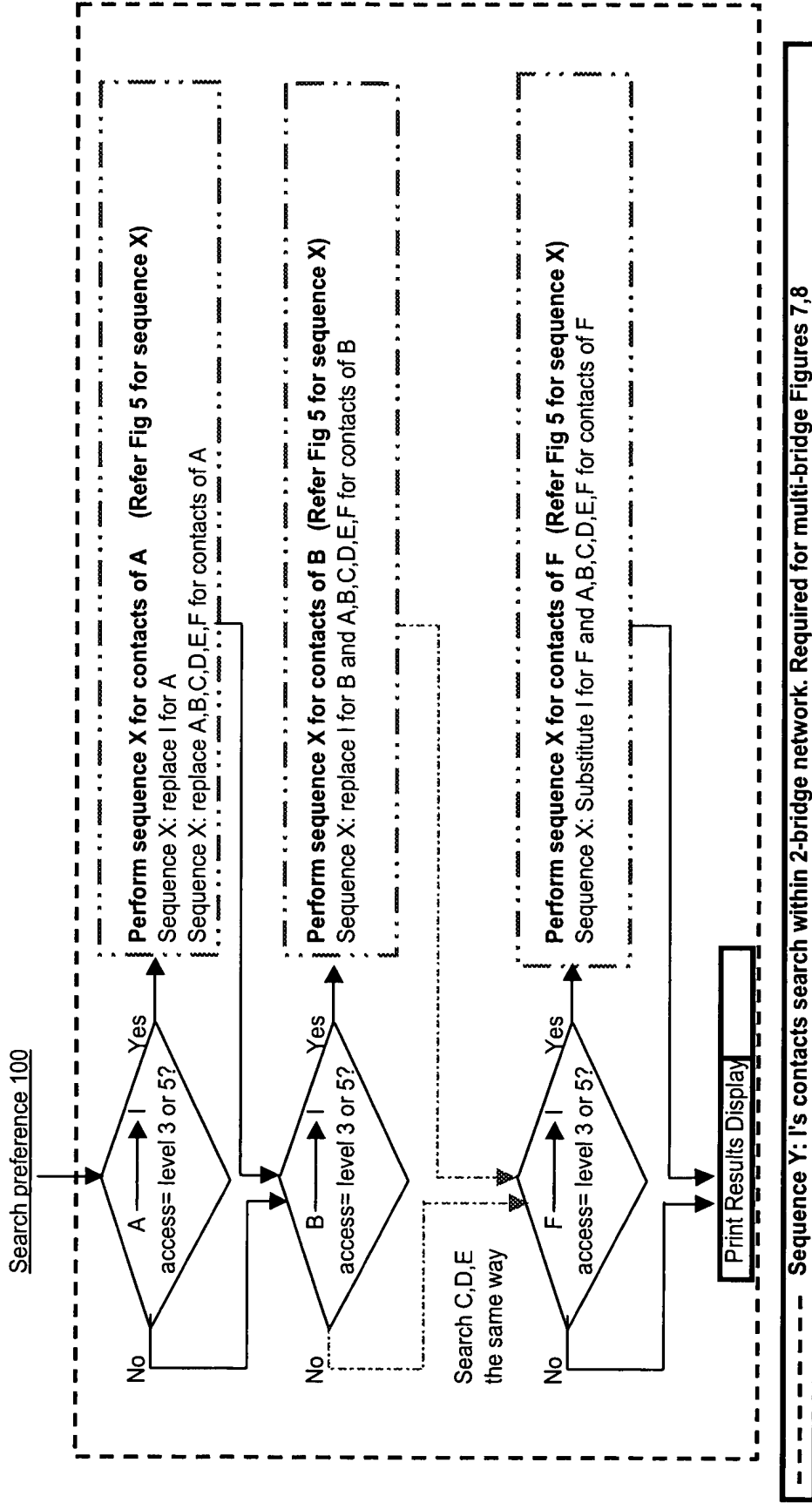
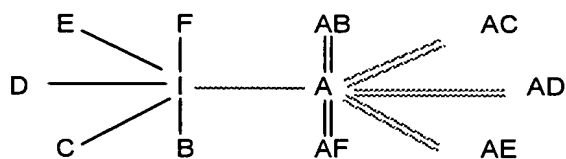


Fig. 6a





1-bridge	$I \leftrightarrow A, B, C, D, E, F$
Multi-bridge 2	$I \leftrightarrow AB, AC, AD, AE, AF$

Fig. 6b

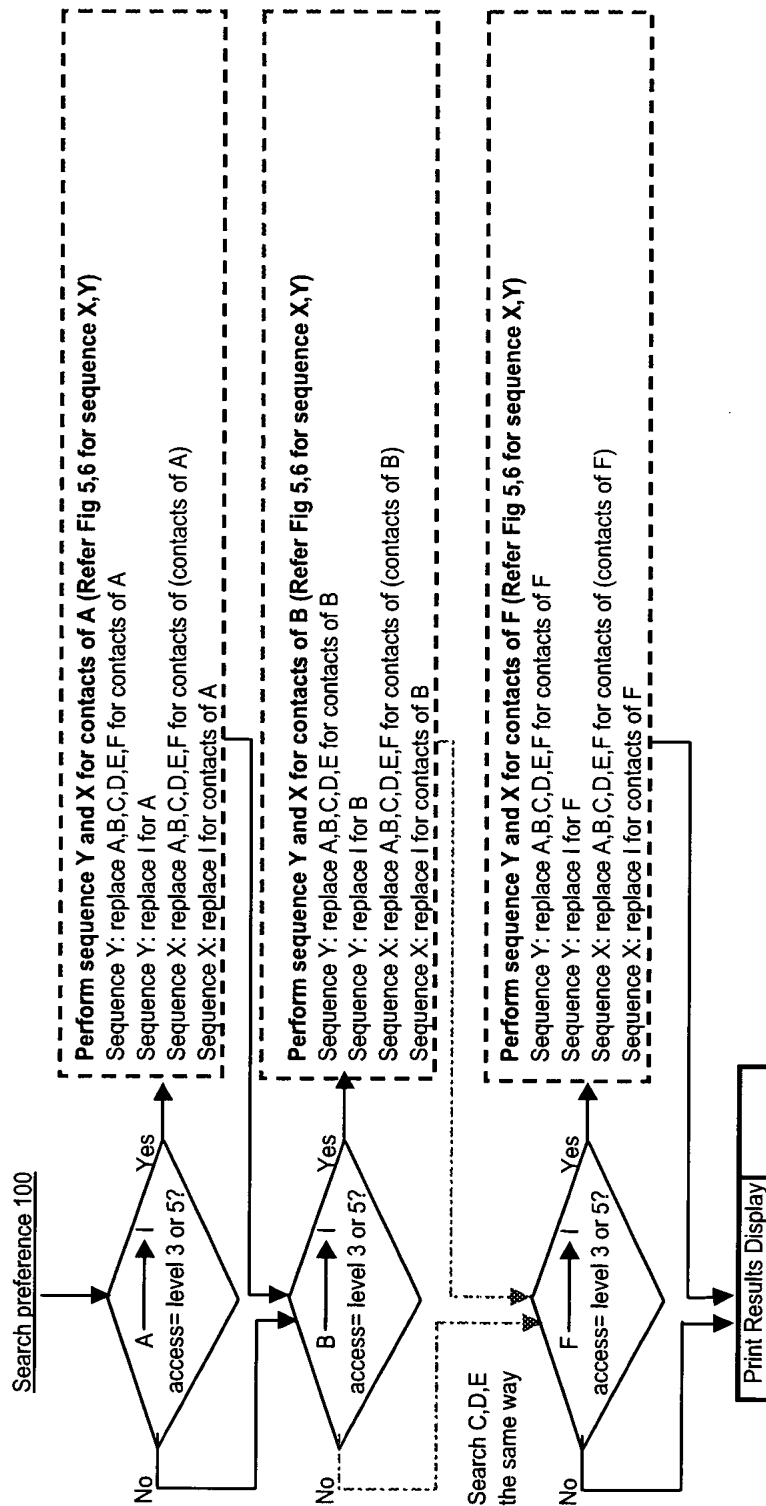
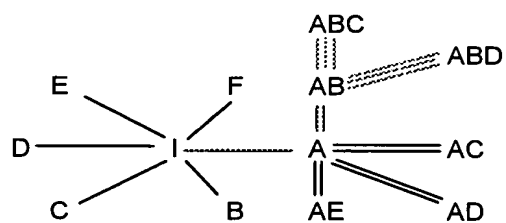


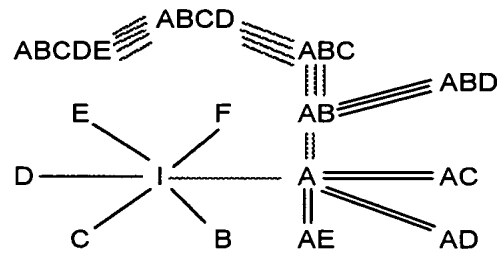
Fig. 7a



1-bridge	I <-> A,B,C,D,E,F
Multi-bridge 2	I <-> AB,AC,AD,AE
Multi-bridge 3	I <-> ABC,ABD

**Fig. 7b**

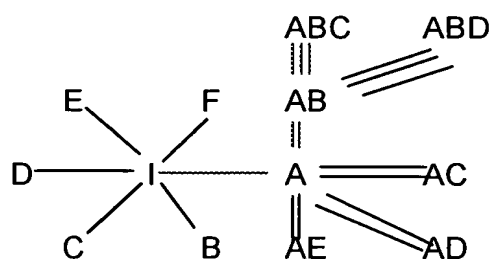
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1-bridge	I <-> A,B,C,D,E,F
multi-bridge 2	I <-> AB,AC,AD,AE
multi-bridge 3	I <-> ABC, ABD
multi-bridge 4	I <-> ABCD
multi-bridge 5	I <-> ABCDE

Fig. 8

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### Display to I

1 match found within 3 bridges (in this example)

Industry	City	Name	Alphanumeric code
E-commerce	London	A	
		?	abc2
		?	abc3

Fig. 9